

Decimals



EXCEL YEAR 7 MATHEMATICS
Ch. 6, 6.7, p. 94

UNIT 10: Problem solving with decimals

- 1 Find the sum of 36.5 cm, 5.7 cm and 21.8 cm.

- 2 Add 21.38, 35.6 and 9.17.

- 3 A rectangle is 4.63 cm long and 2.84 cm wide. Find its perimeter.

- 4 A room is 5.2 metres long and 4.1 metres wide. Find its area.

- 5 Find the cost of 45 books at \$24.95 each.

- 6 Find the total length of 80 blocks of wood that are each 3.65 metres long.

- 7 A car travels 125.25 km each day. What distance does it travel in 100 days?

- 8 What is the difference between 8.29 and 5.7?

- 9 To the sum of 4.2 and 3.54, add the product of 0.7 and 1.2.

- 10 Three boxes weigh 2.5 kg, 3.43 kg and 5.2 kg. What is the total weight?

- 11 Find the cost of 2000 bricks if each brick costs 35 cents.

- 12 Find the total cost of three cakes at \$1.20 each and five ice creams at \$4.35 each.

- 13 Nisha buys six rulers at 90 cents each. How much change would she receive from \$10?

- 14 Kabir earns \$15.60 an hour. How much does he earn if he works for 3 hours?

- 15 A piece of material 32.8 metres long is cut into four equal parts. How long is each part?

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Problem solving with decimals



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Ch. 6.7, p. 94

- 1** Find the sum of 83.6 m, 6.9 m and 23.5 m

- 2** Add 312.9, 21.6 and 438.5

- 3** A rectangle is 4.95 cm long and 3.12 cm wide. Find its perimeter.

- 4** A room is 8.2 m long and 5.3 m wide. Find the area of the room.

- 5** Find the cost of 63 books at \$48.95 each.

- 6** Find the total length of 90 blocks of wood that are each 4.75 metres long.

- 7** A car travels 220.5 km each day. What distance does it travel in 200 days?

- 8** What is the difference between 12.35 and 6.24?

- 9** To the sum of 15.4 and 8.35, add the product of 0.8 and 2.5

- 10** From the sum of 53.67 and 138.56, take away 84.9

- 11** Find the difference between 2 and 0.0058

- 12** Subtract the smallest decimal from the largest: 0.0255 0.0268 0.0632 0.0603

- 13** A car can travel 8.35 km on 1 L of fuel. How far would it travel on a full tank of 60 L?

- 14** David is paid \$15.60 a week to mow the lawn. How much does he earn in a year?

- 15** 6 kg of nuts cost \$56.70. What is the cost per kilogram?
